# **IMAGES IN EMERGENCY MEDICINE**

# **Intestinal Obstruction Caused by Phytobezoars**

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#### INTRODUCTION

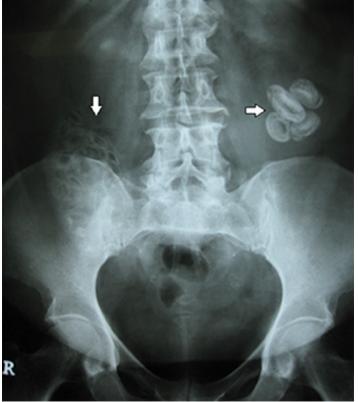
A 55-year-old woman with a 3-month history of abdominal pain presented to the emergency department with chief complaints of worsening abdominal pain and per os intolerance since 3 days ago. Her medical history was noteworthy for watery diarrhea without fever, loss of appetite, weight loss, and nausea and vomiting. Examination revealed abdominal tenderness over right and left lower quadrant (LLQ). Plain radiography and computed tomography showed round calcified mass with small areas of air in cecum and 2.5 and 4.5 cm-diameter round masses in LLQ (Figure 1-3).

## **DISCUSSION**

The intestinal obstruction caused by *Phytobezoars*. Bezoars are classified into 4 main types; phytobezoars, trichobezoars, pharmacobezoars, and lactobezoars. Phytobezoars, the most common types of bezoar, are composed of vegetable matter. They are concretion of poorly digested fruit and vegetable fibers that usually become impacted in the narrowest portion of the small bowel. Previous gastric resection or ulcer surgery predisposes to bezoar. Abnormal mastication, decreased gastric motility and secretion, autonomic neuropathy in patients with diabetes and myotonic dystrophy are some other predisposing factors. The common presenting symptoms are vague feeling of epigastric fullness, nausea, vomiting, anorexia, early satiety, and weight loss. 4

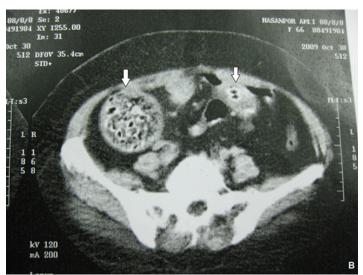
The masses were surgically removed in our patient. They consisted of 25-30 foreign bodies in various size including pits, seeds, small pieces of stones, and date kernels.

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**Figure 1**. Radiography of the abdomen revealing radio-opaque shadows (arrowheads).

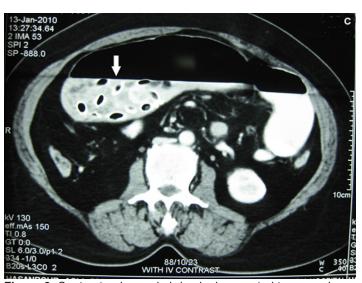
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**Figure 2.** Contrast-enhanced abdominal computed tomography transverse image showing round calcified mass with areas of air (arrows).

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**Figure 3.** Contrast-enhanced abdominal computed tomography transverse image showing round calcified mass with areas of air (arrow).

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